

AM  
RÉPUBLIQUE FRANÇAISE.

MINISTÈRE DE LA PRODUCTION INDUSTRIELLE.

SERVICE DE LA PROPRIÉTÉ INDUSTRIELLE

**BREVET D'INVENTION.**

Gr. 4. — Cl. 6.

N° 924.880

**Époussette en rafia frisé.**

Société à responsabilité limitée : J. MASSOT & P. CHAPPUIS résidant en France (Tarn-et-Garonne).

Demandé le 16 mars 1946, à 11<sup>h</sup> 2<sup>m</sup>, à Toulouse.

Délivré le 17 mars 1947. — Publié le 19 août 1947.

[Brevet d'invention dont la délivrance a été ajournée en exécution de l'art. 1157 de la loi du 5 juillet 1844 modifiée par la loi du 7 avril 1902.]

Tout le monde connaît l'ustensile de ménage appelé plumeau, constitué par un assemblage de fortes plumes autour d'un manche et servant à épousseter. Très répandu, il présente, cependant, de sérieux inconvénients : d'un prix assez élevé, il est excessivement fragile; au bout d'un temps relativement court, les extrémités des tiges, moins résistantes que les tuyaux qu'elles prolongent, commencent à se rompre, ce qui occasionne, d'une part, la formation de déchets au cours de l'usage et, d'autre part, des rayures sur les objets époussetés, provoquées par les extrémités, souvent piquantes, des plumes rompues. Au surplus, il est reconnu que le plumeau est ustensile anti-hygiénique, du fait que la poussière glisse sur les barbes des plumes et se trouve, à la fin de l'opération, simplement déplacée et mise en suspension dans l'air.

On a essayé, pour remédier à ce défaut, de confectionner des balayettes formées de lambeaux d'étoffe, mais, n'offrant pas la raideur voulue et se salissant rapidement, celles-ci se sont montrées peu pratiques.

La présente invention obvie à tous ces inconvénients; elle a pour objet une époussette en fibres de rafia dont les extrémités,

traitées d'une façon appropriée, présentent l'aspect d'une chevelure finement frisée. Le dispositif ainsi conçu possède les avantages énumérés ci-après :

Il est d'une solidité à toute éprouve et d'une grande souplesse. On connaît la résistance et la flexibilité des fibres de rafia; or, ceux-ci ne sont traités qu'à la moitié de leur hauteur environ et la portion de la matière assujettie au manche se trouve ainsi formée par des brins entiers qui lui assurent une tenue parfaite. Quant aux extrémités, elles sont, conformément à la présente invention, fendues dans le sens des fibres en évitant toute rupture, ce qui, en leur assurant une grande souplesse, ne nuit nullement à leur solidité. Ainsi, un balayage parfait est obtenu, sans qu'on ait à redouter une détérioration des meubles fragiles ou le dépôt de déchets sur les objets époussetés.

Au surplus, les grains de poussière ne sont plus simplement déplacés, mais, au contraire, retenus entre les barbes finement frisées de l'époussette, ce qui en fait un ustensile hygiénique par excellence; une fois l'opération d'époussetage terminée, il suffit de lui imprimer quelques secousses pour le débarrasser de toutes les impuretés.

17  
Mar 1947

N° 924.880

S. A. R. L. J. Massot et P. Chappuis

Pl. unique

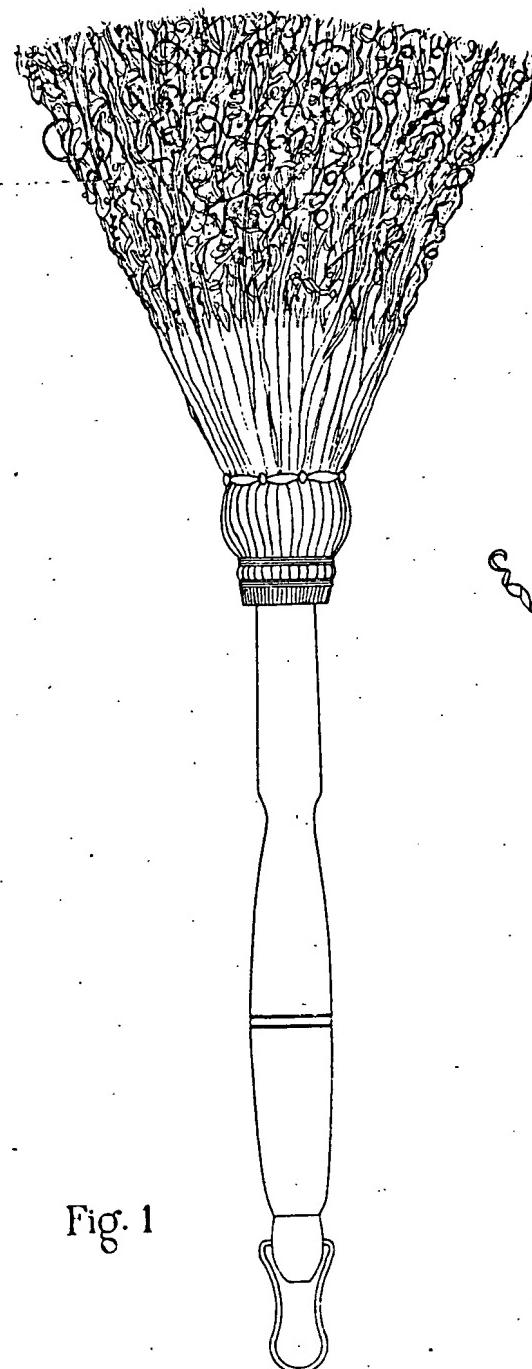


Fig. 1

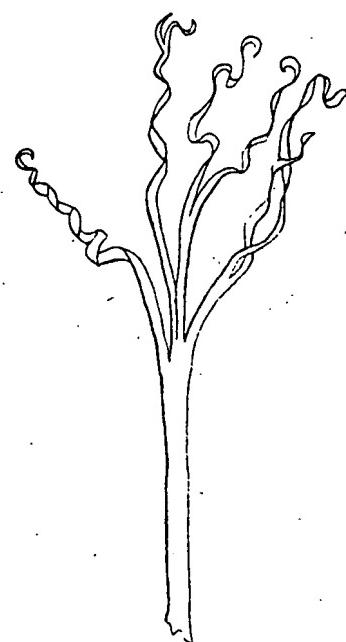


Fig. 2



## UNITED STATES DEPARTMENT OF COMMERCE

Patent and Trademark Office

Address: COMMISSIONER OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

APPLICATION NUMBER	FILING DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
08/028,677	03/09/93	ARGENTA	L

COBI  
DANN, DORFMAN, HERRELL & SKILLMAN  
1601 MARKET STREET, STE. 720  
PHILADELPHIA, PA 19103-2307

5000

DATE MAILED:

05/03/93

#2

**NOTICE TO FILE MISSING PARTS OF APPLICATION  
FILING DATE GRANTED**

An Application Number and Filing Date have been assigned to this application. However, the items indicated below are missing. The required items and fees identified below must be timely submitted **ALONG WITH THE PAYMENT OF A SURCHARGE** for items 1 and 3-6 only of \$130.00 for large entities or \$65.00 for small entities who have filed a verified statement claiming such status. The surcharge is set forth in 37 CFR 1.16(e).

If all required items on this form are filed within the period set below, the total amount owed by applicant as a  large entity,  small entity (verified statement filed), is \$ 988.00.

Applicant is given ONE MONTH FROM THE DATE OF THIS LETTER, OR TWO MONTHS FROM THE FILING DATE of this application, WHICHEVER IS LATER, within which to file all required items and pay any fees required above to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

1.  The statutory basic filing fee is:  missing  insufficient. Applicant as a  large entity  small entity, must submit \$ 710.00 to complete the basic filing fee.

2.  Additional claim fees of \$ 148.00 as a  large entity,  small entity, including any required multiple dependent claim fee, are required. Applicant must submit the additional claim fees or cancel the additional claims for which fees are due.

3.  The oath or declaration:

is missing.

does not cover items omitted at time of execution.

An oath or declaration in compliance with 37 CFR 1.63, identifying the application by the above Application Number and Filing Date is required.

4.  The oath or declaration does not identify the application to which it applies. An oath or declaration in compliance with 37 CFR 1.63, identifying the application by the above Application Number and Filing Date, is required.

5.  The signature to the oath or declaration is:  missing;  a reproduction;  by a person other than the inventor or a person qualified under 37 CFR 1.42, 1.43, or 1.47. A properly signed oath or declaration in compliance with 37 CFR 1.63, identifying the application by the above Application Number and Filing Date, is required.

6.  The signature of the following joint inventor(s) is missing from the oath or declaration:

\_\_\_\_\_. An oath or declaration listing the names of all inventors and signed by the omitted inventor(s), identifying this application by the above Application Number and Filing Date, is required.

7.  The application was filed in a language other than English. Applicant must file a verified English translation of the application and a fee of \$ \_\_\_\_\_ under 37 CFR 1.17(k), unless this fee has already been paid.

8.  A \$ \_\_\_\_\_ processing fee is required for returned checks. (37 CFR 1.21(m)).

9.  Your filing receipt was mailed in error because check was returned without payment.

10.  The application does not comply with the Sequence Rules. See attached Notice to Comply with Sequence Rules 37 CFR 1.821-1.825.

11.  Other.

Direct the response and any questions about this notice to Arnold Brown, Application Processing Division, Special Processing and Correspondence Branch (703) 308-1202.

**A copy of this notice MUST be returned with the response.**



#3

UNITED STATES DEPARTMENT OF COMMERCE

Patent and Trademark Office

Address: COMMISSIONER OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

APPLICATION NUMBER	FILING DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
08/028,677	03/09/93	ARGENTA	L

03B1

DANN, DORFMAN, HERRELL & SKILLMAN  
1601 MARKET STREET, STE. 720  
PHILADELPHIA, PA 19103-2307

0000

DATE MAILED:

05/03/93

**NOTICE TO FILE MISSING PARTS OF APPLICATION  
FILING DATE GRANTED**

An Application Number and Filing Date have been assigned to this application. However, the items indicated below are missing. The required items and fees identified below must be timely submitted **ALONG WITH THE PAYMENT OF A SURCHARGE** for items 1 and 3-6 only of \$130.00 for large entities or \$65.00 for small entities who have filed a verified statement claiming such status. The surcharge is set forth in 37 CFR 1.16(e).

If all required items on this form are filed within the period set below, the total amount owed by applicant as a  large entity,  small entity (verified statement filed), is \$ 988.00.

Applicant is given **ONE MONTH FROM THE DATE OF THIS LETTER, OR TWO MONTHS FROM THE FILING DATE** of this application, **WHICHEVER IS LATER**, within which to file all required items and pay any fees required above to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

1.  The statutory basic filing fee is:  missing  insufficient. Applicant as a  large entity  small entity, must submit \$ 110.00 to complete the basic filing fee.
2.  Additional claim fees of \$ 148.00 as a  large entity,  small entity, including any required multiple dependent claim fee, are required. Applicant must submit the additional claim fees or cancel the additional claims for which fees are due.
3.  The oath or declaration:  
 is missing.  
 does not cover items omitted at time of execution.

An oath or declaration in compliance with 37 CFR 1.63, identifying the application by the above Application Number and Filing Date is required.

4.  The oath or declaration does not identify the application to which it applies. An oath or declaration in compliance with 37 CFR 1.63, identifying the application by the above Application Number and Filing Date, is required.
5.  The signature to the oath or declaration is:  missing;  a reproduction;  by a person other than the inventor or a person qualified under 37 CFR 1.42, 1.43, or 1.47. A properly signed oath or declaration in compliance with 37 CFR 1.63, identifying the application by the above Application Number and Filing Date, is required.
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An oath or declaration listing the names of all inventors and signed by the omitted inventor(s), identifying this application by the above Application Number and Filing Date, is required.

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8.  A \$ \_\_\_\_\_ processing fee is required for returned checks. (37 CFR 1.21(m)).
9.  Your filing receipt was mailed in error because check was returned without payment.
10.  The application does not comply with the Sequence Rules. See attached Notice to Comply with Sequence Rules 37 CFR 1.821-1.825.
11.  Other.

Direct the response and any questions about this notice to A. Arnold P. Brown, Application Processing Division, Special Processing and Correspondence Branch (703) 308-1202.

**For a copy of this notice MUST be returned with the response.**



# 3

## DECLARATION, POWER OF ATTORNEY AND POWER TO INSPECT

As a below named inventor, I hereby declare:

My residence, post office address and citizenship are as stated below next to my name;

that I verily believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural inventors are named below) of the Invention entitled: "**WOUND TREATMENT EMPLOYING REDUCED PRESSURE**"

the specification of which [check one(s) applicable]

was filed March 9, 1993 as PCT International/U.S. Application No. 08/028,677  
 and was amended by Amendment filed \_\_\_\_\_ (if applicable); [or];  
 is attached to this Declaration, Power of Attorney and Power to Inspect;

that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above; and

that I acknowledge my duty to disclose information which is material to the examination of this application in accordance with Rule 56(a) [37CFR§1.56(a)].

**POWER OF ATTORNEY:** As inventor, I hereby appoint **DANN, DORFMAN, HERRELL AND SKILLMAN, P.C.** of Philadelphia, PA, and the following individual(s) as my attorneys or agents with full power of substitution to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith: **Henry H. Skillman, Reg. No. 17,352** and **Donald R. Piper, Jr., Reg. No. 29,337**

**POWER TO INSPECT:** I hereby give **DANN, DORFMAN, HERRELL AND SKILLMAN, P.C.** of Philadelphia, PA or its duly accredited representatives power to inspect and obtain copies of the papers on file relating to this application.

**SEND CORRESPONDENCE TO: DANN, DORFMAN, HERRELL AND SKILLMAN, P.C.**

1601 Market Street, Suite 720,  
Philadelphia, Pennsylvania 19103-2307  
Telephone: 215/563-4100  
Faximile: 215/563-4044

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

### 100 SOLE OR FIRST JOINT INVENTOR

Full Name Louis C. Argenta

Signature

Date 3 May 1993

Residence Winston-Salem

City

NC NC  
State or Country

Citizenship United States of America

Post Office Address:

525 Knob View Drive

Winston-Salem NC 27104  
City State or Country Zip Code

### 200 SECOND JOINT INVENTOR (if any)

Full Name Michael J. Morykwas

Signature

Date 3 May 1993

Residence Pfafftown

City

NC

State or Country

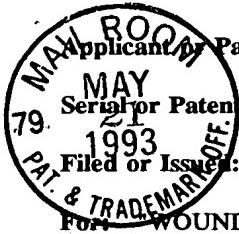
Citizenship United States of America

Post Office Address:

6147 Spring Forest Drive

Pfafftown NC 27040  
City State or Country Zip Code

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE



Patentee: LOUIS C. ARGENTA and MICHAEL J. MORYKwas  
 Serial No.: 08/028,677  
 Filed or Issued: March 9, 1993

#3

## WOUND TREATMENT EMPLOYING REDUCED PRESSURE\*

**VERIFIED STATEMENT (DECLARATION) CLAIMING SMALL ENTITY STATUS [37 CFR §1.9(f) and §1.27(b)] - INDEPENDENT INVENTOR(S)**

As a below named inventor, I hereby declare that I qualify as an independent inventor as defined in 37 CFR §1.9(c) for purposes of paying reduced fees under section 41(a) and (b) of Title 35, United States Code, to the Patent and Trademark Office with regard to the invention described in

[ ] the specification filed herewith

[ X ] Application Serial No. 08/028,677, filed March 9, 1993

[ ] U.S. Patent No. \_\_\_\_\_, issued \_\_\_\_\_

I have not assigned, granted, conveyed or licensed and am under no obligation under contract or law to assign, grant, convey or license, any rights in the invention to any person who could not be classified as an independent inventor under 37 CFR §1.9(c) if that person had made the invention, or to any concern which would not qualify as a small business concern under 37 CFR §1.9(d) or a non-profit organization under 37 CFR §1.9(e).

Each person, concern, organization to which I have assigned, granted, conveyed, or licensed or am under an obligation under contract or law to assign, grant, convey, or license any rights in the invention is listed below:

[ ] no such person, concern, or organization  
 [ X ] persons, concerns or organizations listed below\*

FULL NAME: WAKE FOREST UNIVERSITY

ADDRESS : Medical Center Boulevard, Winston-Salem, NC 27157-1023

[ ] INDIVIDUAL      [ ] SMALL BUSINESS CONCERN      [ X ] NON-PROFIT ORGANIZATION

FULL NAME:

ADDRESS :

[ ] INDIVIDUAL      [ ] SMALL BUSINESS CONCERN      [ ] NON-PROFIT ORGANIZATION

FULL NAME:

ADDRESS :

[ ] INDIVIDUAL      [ ] SMALL BUSINESS CONCERN      [ ] NON-PROFIT ORGANIZATION

\*NOTE: Separate verified statements are required from each named person, concern or organization having rights to the invention averring to their status as small entities.  
 (37 CFR §1.27)

I acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate. (37 CFR §1.28(b)).

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application, or any patent issued thereon, or any patent to which this verified statement is directed.

LOUIS C. ARGENTA

Name of Inventor

Signature of Inventor

3 May 1993

Date

MICHAEL J. MORYKwas

Name of Inventor

Signature of Inventor

May 3, 1993

Date



# 3

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant or Patentee: ROBERT C. MORELL

Serial or Patent No.: 08/028,677

Filed or Issued: March 9, 1993

For: "WOUND TREATMENT EMPLOYING REDUCED PRESSURE"

**VERIFIED STATEMENT (DECLARATION) SUPPORTING ANOTHER'S CLAIM FOR  
SMALL ENTITY STATUS [37 CFR §1.9(f) AND §1.27(d)] - NONPROFIT ORGANIZATION**

I hereby declare that I am making this verified statement to support a claim by the above-identified applicant or patentee for small entity status for purposes of paying reduced fees with regard to the above-identified invention described in

- the specification filed herewith  
 Application Serial No. 08/028,677, filed March 9, 1993  
 U.S. Patent No. \_\_\_\_\_, issued \_\_\_\_\_

I hereby declare that I am an official empowered to act on behalf of the nonprofit organization identified below:

**FULL NAME OF ORGANIZATION:**

WAKE FOREST UNIVERSITY

**ADDRESS OF ORGANIZATION:**

Medical Center Boulevard  
Winston-Salem, North Carolina 27157-1023

**TYPE OF ORGANIZATION**

- University or other institution of Higher education  
 Tax exempt under U.S. Internal Revenue Code [26 USC §§501(a) and 501(c)(3)]  
 Nonprofit scientific or educational under statute of state of U.S.A.

Name of State:

Citation of Statute:

- Would qualify as tax exempt under U.S. IRC if located in U.S.A.  
 Would qualify as nonprofit scientific or education under statute of state of U.S.A. if located in U.S.A.

Name of State:

Citation of Statute:

I hereby declare that the nonprofit organization identified above qualifies as a nonprofit organization as defined in 37 CFR §1.9(c) for purposes of paying reduced fees under section 41(a) and (b) of Title 35, United States code to the above-identified invention.

I hereby declare that rights under contract or law have been conveyed to and remain with the nonprofit organization with regard to the above-identified invention.

If the rights held by the nonprofit organization are not exclusive, each individual, concern or organization known to have rights to the invention is listed below\* and the organization knows of no rights to the invention being held by any person, other than the inventor, who could not qualify as an independent inventor under 37 CFR §1.9(c) if that person had made the invention, or by any concern which would not qualify as a small business concern under 37 CFR §1.9(d) or by a nonprofit organization under 37 CFR §1.9(e).

FULL NAME:  
ADDRESS:

INDIVIDUAL  SMALL BUSINESS CONCERN  NONPROFIT ORGANIZATION

FULL NAME:  
ADDRESS:

INDIVIDUAL  SMALL BUSINESS CONCERN  NONPROFIT ORGANIZATION

FULL NAME:  
ADDRESS:

INDIVIDUAL  SMALL BUSINESS CONCERN  NONPROFIT ORGANIZATION

\* NOTE: Separate verified statements are required from each named person, concern or organization having rights to the invention averring to their status as small entities. (37 CFR §1.27)

I acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate (37 CFR §1.28(b)).

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this verified statement is directed.

Name of Person Signing: JULIE M. WATSON

Title in Organization: Patent Administrator and Assistant Dean

Address:

Medical Center Boulevard, Winston-Salem, North Carolina 27157-1023

Signature: Julie M. Watson

Date: 5/3/93

0500 7-9-93

3305  
7-29-93

Attala  
Aug 993

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of

LOUIS C. ARGENTA & MICHAEL  
J. MORYKwas

Serial No. 08/028,677

Filed: March 9, 1993

For: WOUND TREATMENT  
EMPLOYING REDUCED PRESSURE

JUL 21 1993  
RECEIVED  
APPLICATION DIVISION

RECEIVED

JUN 24 1993

APPLICATION DIVISION

Certificate of Mailing Under 37 CFR §1.8(a)

I hereby certify that this correspondence is being deposited on June 22, 1993 with the United States Postal Service as first class mail in an envelope addressed to COMMISSIONER OF PATENTS AND TRADEMARKS, Washington, D.C. 20231.

June 22, 1993  
Date of Certificate

Donald R. Piper, Jr.  
Attorney for Applicant(s)  
PTO Reg. No. 29,337

GROUP 330 JUL 26 1993  
RECEIVED

INFORMATION DISCLOSURE STATEMENT

As a means of complying with the duty of disclosure set forth in 37 C.F.R. §1.56, it is respectfully requested that the references listed on the attached PTO Form 1449 be considered by the Patent Examiner and be made of record in the above-identified application. Full text copies of the references listed on the PTO Form 1449 are enclosed. This submission is believed to be in compliance with the requirements of 37 C.F.R. §1.97 and §1.98.

The references listed on the enclosed PTO Form 1449 were either disclosed by Applicants in an Information Disclosure Statement filed with the Patent Office on January 6, 1992 for Applicants' corresponding U.S. Patent Application Serial No. 07/792,001, or were uncovered in searches conducted by potential licensees.

U.S. Patent No. 4,969,880, U.S. Patent No. 5,100,396, U.S. Patent Application Serial No. 07/659,936, and International Publication No. WO 92/20299, all of Zamierowski, were brought to Applicants' attention through

a potential licensee. In order to make a full and complete disclosure of the references uncovered, Applicants are also disclosing all of the additional references cited during the patent prosecution of U.S. Patent Nos. 4,969,880 and 5,100,396 of Zamierowski.

The Song, Leu, and Anderson references do not appear to be particularly relevant to Applicants' invention. However, Applicants are disclosing these references in order to make a full and complete disclosure of all references uncovered in the searches by the potential licensees.

Respectfully submitted,

DANN, DORFMAN, HERRELL AND SKILLMAN  
A Professional Corporation  
Attorney for Applicant(s)

By

  
DONALD R. PIPER, JR.  
PTO Registration No. 29,337

Telephone: 215/563-4100  
Facsimile: 215/563-4044

Enclosures: PTO Form 1449  
Copies of listed patents